

MacPherson Kwok Chen & Heid LLP

1762 Technology Drive 2402 Michelson Drive
 Suite 226 Suite 210
 San Jose, CA 95110 Irvine, CA 92612
 Tel. 408-392-9250 Tel. (949) 752-7040
 Fax 408-392-9262 Fax (949) 752-7049

RECEIVED
 CENTRAL FAX CENTER

NOV 02 2004

FACSIMILE COVER

Date:	November 2, 2004		
To:	USPTO	Fax Telephone #:	(703) 872-9306
		Office Telephone #:	
From:	Greg J. Michelson	Date Sent:	
Subject:	10/789,178	Time Sent:	
Client/File:	M-15654 US	Fax Operator:	

This transmittal consists of 8 total page(s), including this cover sheet.

Message:

BEST AVAILABLE COPY

If you do not receive all pages, please call (949) 752-7040

THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS INTENDED ONLY FOR THE PERSONAL AND CONFIDENTIAL USE OF THE DESIGNATED RECIPIENT(S) NAMED ABOVE. THIS MESSAGE MAY BE AN ATTORNEY-CLIENT COMMUNICATION, AND AS SUCH IS PRIVILEGED AND CONFIDENTIAL. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT OR AN AGENT RESPONSIBLE FOR DELIVERING IT TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT YOU HAVE RECEIVED THIS DOCUMENT IN ERROR AND THAT ANY REVIEW, DISSEMINATION, DISTRIBUTION OR COPYING OF THIS MESSAGE IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL MESSAGE TO US BY MAIL. THANK YOU.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Jeffrey H. Hunt

RECEIVED
CENTRAL FAX CENTER

Assignee: The Boeing Company

NOV 02 2004

Title: HIGH SPEED ACTIVE OPTICAL SYSTEM FOR PHASE-SHIFTING
PORTIONS OF AN INCOMING OPTICAL WAVEFRONT

Serial No.: 10/789,178

Filing Date: February 26, 2004

Examiner: Timothy J. Thompson

Group Art Unit: 2873

Docket No.: M-15654 US

Irvine, California
November 2, 2004

Fax No.: 1-703-872-9306

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450**OFFICIAL COMMUNICATION****CERTIFICATION OF FACSIMILE TRANSMISSION**

I hereby certify that the following Power Of Attorney By Assignee Of Entire Interest (2 pages), Notice of Recordation of Assignment Document (2 pages), Recordation Form (1 page) and Assignment Document (1 page) are being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Dated: November 2, 2004


Greg J. Michelson, Reg. No. 44,940

LAW OFFICES OF
MACPHERSON KWOK CHEN
& HEID LLP
1762 TECHNOLOGY DRIVE
SUITE 226
SAN JOSE, CA 95110
(949) 752-7040
FAX: (408) 392-9262

MacPherson Kwok Chen & Heid LLP
1762 Technology Drive
Suite 226
San Jose, California 95110
Telephone: (949) 752-7040
Fax: (408) 392-9262

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Jeffrey H. Hunt	RECEIVED CENTRAL FAX CENTER
Assignee:	The Boeing Company	NOV 02 2004
Title:	HIGH SPEED ACTIVE OPTICAL SYSTEM FOR PHASE-SHIFTING PORTIONS OF AN INCOMING OPTICAL WAVEFRONT	
Serial No.:	10/789,178	Filing Date: February 26, 2004
Examiner:	Timothy J. Thompson	Group Art Unit: 2873
Docket No.:	M-15654 US	

COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, VA 22313-1450

POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST

Sir:

The above-identified assignee, hereby revokes all powers of attorney previously given and appoints the attorney(s) and/or agent(s) identified below to prosecute the above-identified application and to transact all business in the United States Patent and Trademark Office in connection therewith:

Customer No. 32605

Please address all correspondence and telephone calls regarding this application to:

Greg J. Michelson
MacPherson Kwok Chen & Heid LLP
1762 Technology Drive
Suite 226
San Jose, CA 95110
Tel.: (949) 752-7040
Fax: (408) 392-9262

ASSIGNEE CERTIFICATION UNDER 37 CFR 3.73(B)

The undersigned representative of the above-identified assignee certifies that the above-identified assignee is the assignee of the entire right, title and interest in the above-identified patent application/patent by virtue of a chain of title from the inventor(s) of the above-identified patent application/patent to the above-identified assignee as shown below:

1. From: Jeffrey H. Hunt , To: The Boeing Company

The document was recorded in the United States Patent and Trademark Office at Reel 015052 Frame 0198. A copy of the document is attached.

The document was submitted to the Patent and Trademark Office for recordation on . A copy of the document is attached.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the above-identified assignee.

Date: 10/29/04

By: Terje Gudmestad
(Signature)

Name: Terje Gudmestad
(Printed or Typed Name)

Title: Counsel, The Boeing Company



RECEIVED

SEP 03 2004

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

Stradling Yocca Carlson & Rauth

AUGUST 30, 2004

PTAS



STRADLING YOCCA CARLSON & RAUTH
 BRIAN F. SWIENTON
 660 NEWPORT CENTER DRIVE
 SUITE 1600
 NEWPORT BEACH, CA 92660

DOCKETED

SEP 03 2004

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/26/2004

REEL/FRAME: 015052/0198

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HUNT, JEFFREY H.

DOC DATE: 02/19/2004

ASSIGNEE:

BOEING COMPANY, THE
 15460 LAGUNA CANYON ROAD
 MIC 1640-2101
 IRVINE, CALIFORNIA 92618

SERIAL NUMBER: 10769178

FILING DATE: 02/26/2004

PATENT NUMBER:

ISSUE DATE:

TITLE: HIGH SPEED ACTIVE OPTICAL SYSTEM FOR PHASE-SHIFTING PORTIONS OF AN
INCOMING OPTICAL WAVEFRONT

015052/0198 PAGE 2

MARGARET LASALLE, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

03-12-2004

Form PTO-1595 (Rev. 10/02) OMB No. 0651-0027 (exp. 6/30/2005)		REC	 102692132		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office
Tab settings <input type="button" value="→"/> <input type="button" value="→"/> <input type="button" value="↓"/> <input type="button" value="↓"/> <input type="button" value="↓"/> <input type="button" value="↓"/>					
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): 2-26-04 Jeffrey H. Hunt			2. Name and address of receiving party(ies) Name: <u>The Boeing Company</u> Internal Address: <u>MIC 1640-2101</u> <u>15460 Laguna Canyon Road</u> <u>Irvine, California 92618</u> Street Address: <u>100 N. Riverside</u> <u>17548</u> <u>10789178</u> <u>U.S.PTO</u> <u>022604</u>		
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			City: <u>Chicago</u> State: <u>IL</u> Zip: <u>60606-1596</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____			4. Application number(s) or patent number(s): 10789178 If this document is being filed together with a new application, the execution date of the application is: <u>02/26/04</u>		
Execution Date: <u>February 19, 2004</u>			A. Patent Application No.(s) _____ B. Patent No.(s) _____		
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Brian F. Swienton</u> Internal Address: <u>Stradling Yocca Carlson & Rauth</u> <u>660 Newport Center Drive</u> <u>Suite 1600</u> <u>Newport Beach CA 92660</u>			6. Total number of applications and patents involved: <input type="checkbox"/> 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account		
8. Deposit account number: <u>50-1329</u>					
DO NOT USE THIS SPACE					
9. Signature.					
Brian F. Swienton, Reg. No. 49,030 Name of Person Signing  03/11/2004 DEYRNE 00000112 501329 Total number of pages including cover sheet, attachments, and documents: <input type="checkbox"/> 2 Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231 01 FC:8021 40.00 DA Date <u>3/14/04</u>					

ASSIGNMENT

Boeing Docket No.: 03-0992

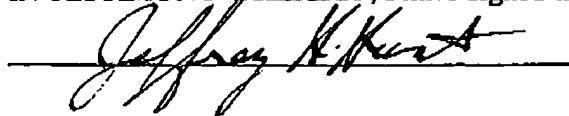
WHEREAS, Jeffrey H. Hunt, residing at Thousand Oaks, California (hereinafter "Assignor") has invented certain new and useful improvements in the **High Speed Optical for Phase-Shifting Portions of an Incoming Optical Wavefront** (hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on date(s) listed below.

WHEREAS, The Boeing Company, a corporation organized and existing under the laws of the State of Delaware, US, having a place of business at 100 N. Riverside, Chicago, Illinois 60606-1596, with a mailing address of MIC 1640-2101, 15460 Laguna Canyon Road, Irvine, California 92618, US., (hereinafter called "the Assignee"), is desirous of acquiring the entire right, title and interest in and to the invention within the United States of America and its territorial possessions and all foreign countries any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THEREFORE, for good and valuable considerations, the receipt which is hereby acknowledged, Assignor has assigned, sold and transferred, and does assign, sell and transfer to the Assignee the entire right, title and interest in and to the invention within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty including any international convention, for the protection of industrial property, together with the right to extend the protection of the United States LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America. Assignee will hold all rights for its own use and benefit and for the use and benefit of its successors or assigns to the full end of the term for which the LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. Assignor requests and authorizes the Commissioner of Patents and Trademarks, US and its foreign counterparts, to issue the LETTERS PATENT when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention, which title Assignor warrants to the Assignee. Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request and expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the invention, and for maintaining and perfecting the Assignee's right to the invention and LETTERS PATENT particularly in cases of interference conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have signed this Assignment on the date specified below.



Dated: February 19, 2004

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- BLACK BORDERS**
- IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- FADED TEXT OR DRAWING**
- BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- SKEWED/SLANTED IMAGES**
- COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- GRAY SCALE DOCUMENTS**
- LINES OR MARKS ON ORIGINAL DOCUMENT**
- REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.